



PTO/SB/17-(10-03)

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

**Complete if Known**

Application Number	09/870,944
Filing Date	June 1, 2001
First Named Inventor	Michael I. Catherwood
Examiner Name	Chat C. Do
Art Unit	2124
Attorney Docket No.	068354.1443

**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

02-0383

Baker Botts L.L.P.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ )

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ )

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	PAUL N. KATZ	Registration No. (Attorney/Agent)	35,917	Telephone	713.229.1343
Signature	<i>Paul N. Katz</i>	Date	July 19, 2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Michael I. Catherwood**

Group Art Unit: 2124

**Examiner: Chat C. Do**

Attny. Docket No. 068354.1443

Client Ref.: **MTI-1738.US.0**

**CERTIFICATE OF MAILING VIA EXPRESS MAIL**

PURSUANT TO 37 C.F.R. § 1.10, I HEREBY CERTIFY THAT I HAVE INFORMATION AND A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE WILL BE DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL POST OFFICE TO ADDRESSEE, ON THE DATE BELOW, AND IS ADDRESSED TO:

MAIL STOP AMENDMENTS  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
ALEXANDRIA, VA 22313-1450

PAUL N. KATZ	Reg. No. 35,917
EXPRESS MAIL LABEL:	EV449865900US
DATE OF MAILING:	JULY 19, 2004

Sir:

Applicants respectfully request, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. A copy of the cited references is enclosed for the convenience of the Examiner.

Furthermore, pursuant to 37 C.F.R. §§1.97(g) and (h), no representation is made that these references are material to the patentability of the present application.

07/21/2004 MBLANCO 00000001 09870944

**180.00 DP**

01 FC:1806

HOU02:995917.1

USSN 09/870.944

## Information Disclosure Statement

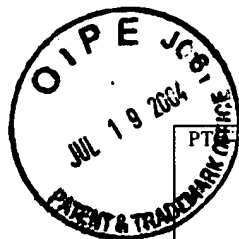
As this Information Disclosure Statement is being submitted along with a Response to Office Action, Applicants enclose a check in the amount of \$180.00. Applicants believe that no further fee is required, however, if an additional fee is required, please accept this transmittal as a petition therefor and charge any fee to Baker Botts L.L.P. (*formerly, Baker & Botts, L.L.P.*) Deposit Account No. 50-2148, Order No. (068354.1443) for any other charges necessary for the filing of this Information Disclosure Statement.

BAKER BOTTS L.L.P. (31625)

Date: July 19, 2004

By: 

Paul N. Katz, Reg. No. 35,917  
One Shell Plaza  
910 Louisiana Street  
Houston, Texas 77002-4995  
Telephone: 713.229.1343  
Facsimile: 713.229.7743  
AGENT FOR APPLICANTS



PT# 449 <b>Information Disclosure Citation in an Application</b>	Patent No. 09/870,944	Applicant(s) Michael I. Catherwood	
	Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	3771146	11/73	Cotton et al.	710	260	
	B.	3781810	12/25/73	Downing	712	228	
	C.	3886524	5/75	Appelt, Daren R.	710	110	
	D.	4025771	5/77	Lynch et al.	708	521	
	E.	4074353	2/78	Woods et al.	710	264	
	F.	4090250	5/78	Carlson et al.	712	234	
	G.	4379338	4/83	Nishitani et al.	708	552	
	H.	4398244	8/9/83	Chu et al.	712	244	
	I.	4451885	5/84	Gerson et al.	708	200	
	J.	4472788	9/18/84	Yamazaki	708	209	
	K.	4481576	11/6/84	Bicknell	711	217	
	L.	4488252	12/11/84	Vassar	708	505	
	M.	4511990	4/16/85	Hagiwara et al.	708	501	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N.	0 855 643 A1	29-07-98	EP				
	O.	0 554 917 A2	11-08-93	EP				
	P.							

## NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q.	Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508	May 2001
	R.	Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN:0010-4566	October 1998
	S.	Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515	2 March 1998
	T.		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



<b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b> 09/870,446	<b>Applicant(s)</b> Michael I. Catherwood	
	<b>Docket Number</b> 068354.1443	<b>Group Art Unit</b> 2124	<b>Filing Date</b> June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	4556938	12/3/85	Parker et al.	712	241	
	B.	4626988	12/2/86	George	712	241	
	C.	4730248	3/8/88	Watanabe et al.	712	228	
	D.	4779191	10/88	Greenblatt, Richard	711	2	
	E.	4782457	11/1/88	Cline	708	205	
	F.	4807172	2/21/89	Nukiyama	708	209	
	G.	4829460	5/9/89	Ito	708	209	
	H.	4829420	5/9/89	Stahle	711	200	
	I.	4841468	6/89	Miller et al.	708	625	
	J.	4839846	6/13/89	Hirose et al.	708	497	
	K.	4872128	10/3/89	Shimizu	708	209	
	L.	4882701	11/21/89	Ishii	712	241	
	M.	4926371	5/90	Vassiliadis et al.	708	628	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
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<b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b> 09/870,446	<b>Applicant(s)</b> Michael I. Catherwood	
	<b>Docket Number</b> 068354.1443	<b>Group Art Unit</b> 2124	<b>Filing Date</b> June 1, 2001

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	4941120	7/10/90	Brown et al.	708	497	
	B.	4943940	7/24/90	New	708	507	
	C.	4959776	9/25/90	Deerfield et al.	711	217	
	D.	4977533	12/11/90	Miyabayashi et al.	708	404	
	E.	4984213	1/8/91	Abdoo et al	365	230.03	
	F.	5007020	4/9/91	Inskeep	711	200	
	G.	5012441	4/30/91	Retter	711	217	
	H.	5032986	7/16/91	Pathak et al.	711	217	
	I.	5038310	8/6/91	Akagiri et al.	708	205	
	J.	5056004	10/8/91	Ohde et al.	712	241	
	K.	5099445	3/24/92	Studor et al.	708	209	
	L.	5101484	3/31/92	Kohn	712	241	
	M.	5117498	5/26/92	Miller , et al.	712	241	

FOREIGN PATENT DOCUMENTS

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PTO 449				Patent No. 09/870,446	Applicant(s) Michael I. Catherwood		
<b>Information Disclosure Citation in an Application</b>				Docket Number 068354.1443	Group Art Unit 2124	Filing Date June 1, 2001	
<b>U.S. PATENT DOCUMENTS</b>							
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE</b>
	A.	5121431	6/92	Wiener, Michael J.	713	174	
	B.	5122981	6/16/92	Taniguchi	708	497	
	C.	5155823	10/13/92	Tsue	711	217	
	D.	5197140	3/23/93	Balmer	711	222	
	E.	5197023	3/23/93	Nakayama	708	505	
	F.	5206940	4/27/93	Murakami et al.	711	218	
	G.	5212622	5/18/93	Cocanougher et al.	708	508	
	H.	4408274	10/93	Wheatley et al	711	163	
	I.	5276634	1/4/94	Suzuki et al.	708	497	
	J.	5282153	1/25/94	Bartkowiak et al.	708	233	
	K.	5327566	7/5/94	Forsyth	710	260	
	L.	5327543	7/5/94	Miura et al.	712	224	
	M.	5379240	1/3/95	Byrne	708	209	
<b>FOREIGN PATENT DOCUMENTS</b>							
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION</b>
	N.						<b>YES</b> <b>NO</b>
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<b>NON-PATENT DOCUMENTS</b>							
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PTO 7449				Patent No. 09/870,446	Applicant(s) Michael I. Catherwood			
<b>Information Disclosure Citation in an Application</b>				Docket Number 068354.1443	Group Art Unit 2124	Filing Date July 19, 2001		
<b>U.S. PATENT DOCUMENTS</b>								
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE</b>	
	A.	5422805	6/95	McIntyre et al.	708	625		
	B.	5448703	9/5/95	Amini et al.	710	110		
	C.	5448706	9/5/95	Fleming et al.	711	217		
	D.	5463749	10/31/95	Wertheizer et al.	711	110		
	E.	5469377	11/21/95	Amano	708	497		
	F.	5471600	11/28/95	Nakamoto	711	5		
	G.	5497340	3/5/96	Uramoto et al.	708	552		
	H.	5499380	3/12/96	Iwata et al.	711	212		
	I.	5517436	5/96	Andreas et al.	708	524		
	J.	5548544	8/20/96	Matheny et al.	708	497		
	K.	5568380	10/96	Broadnax et al.	700	79		
	L.	5568412	10/22/96	Han et al.	708	497		
	M.	5596760	1/21/97	Ueda	712	244		
<b>FOREIGN PATENT DOCUMENTS</b>								
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION</b>	
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O-1449

**Information Disclosure Citation  
in an Application****Patent No.**

09/870,446

**Applicant(s)**

Michael I. Catherwood

**Docket Number**

068354.1443

**Group Art Unit**

2124

**Filing Date**

June 1, 2001

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5600813	2/4/97	Nakagawa et al.	711	217	
	B.	5619711	4/8/97	Anderson	712	221	
	C.	5642516	6/97	Hedayat et al.	710	260	
	D.	5638524	6/10/97	Kiuchi et al.			
	E.	5651121	7/22/97	Davies			
	F.	5657484	8/12/97	Scarrá			
	G.	5682339	10/28/97	Tam			
	H.	5689693	11/18/97	White	712	224	
	I.	5694350	12/2/97	Wolrich et al.	708	497	
	J.	5696711	12/9/97	Makineni	708	497	
	K.	5706460	1/6/98	Craig et al.	712	204	
	L.	5715470	2/3/98	Asano et al.	375	341	
	M.	5740095	4/98	Parant, Phillippe	708	628	

**FOREIGN PATENT DOCUMENTS**

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PT 681449 <b>Information Disclosure Citation in an Application</b>	Patent No.	Applicant(s)	
	09/870,446	Michael I. Catherwood	
	Docket Number	Group Art Unit	Filing Date
	068354.1443	2124	June 1, 2001

## U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5737570	4/7/98	Koch	711	149	
	B.	5740419	4/14/98	Potter	712	241	
	C.	5748516	5/5/98	Goddard et al.	708	497	
	D.	5765216	6/98	Weng et al.	711	214	
	E.	5764555	6/9/98	McPherson et al.	708	497	
	F.	5774711	6/30/98	Henry et al.	712	244	
	G.	5778416	7/7/98	Harrison et al.	711	5	
	H.	5790443	8/4/98	Shen et al.	708	491	
	I.	5808926	9/15/98	Gorshtein et al.	708	497	
	J.	5812439	9/22/98	Hansen	708	497	
	K.	5826096	10/20/98	Baxter	712	24	
	L.	5825730	10/20/98	Nishida et al.	369	443	
	M.	5828875	10/27/98	Halvarsson et al.	712	241	

## FOREIGN PATENT DOCUMENTS

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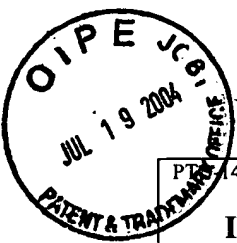
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Docket Number 068354.1443				Group Art Unit 2124		Filing Date June 1, 2001		
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<b>U.S. PATENT DOCUMENTS</b>								
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE</b>	
	A.	5862065	1/19/99	Muthusamy	708	521		
	B.	5880984	3/9/99	Burchfiel et al.	708	501		
	C.	5892697	4/6/99	Brakefield	708	496		
	D.	5892699	4/6/99	Duncan et al.	708	628		
	E.	5894428	4/13/99	Harada	708	306		
	F.	5909385	6/1/99	Nishiyama et al.	708	630		
	G.	5917741	6/29/99	Ng.	708	497		
	H.	5930503	7/27/99	Drees	713	11		
	I.	5930159	7/27/99	Wong	708	550		
	J.	5944816	8/99	Dutton et al.	712	215		
	K.	5936870	8/99	Im, Jin Hyeock	708	552		
	L.	5938759	8/17/99	Kamijo	712	209		
	M.	5943249	8/24/99	Handlogten	708	496		
<b>FOREIGN PATENT DOCUMENTS</b>								
		<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION</b>	
	N.						<b>YES</b>	<b>NO</b>
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<b>NON-PATENT DOCUMENTS</b>								
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PTA 449 <b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b> 09/870,446	<b>Applicant(s)</b> Michael I. Catherwood	
	<b>Docket Number</b> 068354.1443	<b>Group Art Unit</b> 2124	<b>Filing Date</b> June 1, 2001

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	5941940	8/24/99	Prasad et al.	708	523	
	B.	5951679	9/14/99	Anderson, et al.	712	241	
	C.	5951627	9/14/99	Kiamilev et al.	708	404	
	D.	5991787	11/23/99	Abel et al.	708	400	
	E.	5996067	11/30/99	White	712	224	
	F.	6009454	12/28/99	Dummermuth	718	108	
	G.	6014723	1/11/00	Tremblay et al.	711	1	
	H.	6026489	2/15/00	Wachi et al.	712	241	
	I.	6044392	3/28/00	Anderson et al.	708	551	
	J.	6044434	3/28/00	Oliver	711	110	
	K.	6061783	5/00	Harriman, Ward	712	224	
	L.	6061711	5/00	Song et al.	718	108	
	M.	6058409	5/2/00	Kozaki et al.	708	409	

FOREIGN PATENT DOCUMENTS

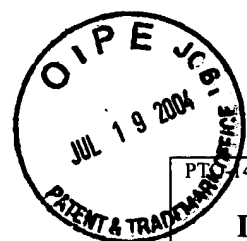
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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PT 449 <b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b> 09/870,446	<b>Applicant(s)</b> Michael I. Catherwood	
	<b>Docket Number</b> 068354.1443	<b>Group Art Unit</b> 2124	<b>Filing Date</b> June 1, 2003

**U.S. PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	6058410	5/2/00	Sharangpani	708	551	
	B.	6058464	5/2/00	Taylor	711	217	
	C.	6061780	5/9/00	Shippey, et al.	712	204	
	D.	6076154	6/13/00	Van Eijndhoven et al	712	24	
	E.	6101599	8/00	Wright et al.	712	228	
	F.	6101521	8/8/00	Kosiec	708	550	
	G.	6115732	9/5/00	Oberman et al.	708	625	
	H.	6128728	10/3/00	Dowling	712	228	
	I.	6134574	10/17/00	Oberman et al.	708	551	
	J.	6144980	11/00	Oberman, Stuart F.	708	627	
	K.	6145049	11/7/00	Wong	710	267	
	L.	6205467	3/01	Lambrecht et al.	718	108	
	M.	6243804	6/01	Cheng, Chuck Cheuk-wing	712	228	

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PTO 1449 <b>Information Disclosure Citation in an Application</b>	<b>Patent No.</b>	<b>Applicant(s)</b>	
	09/870,446	Michael I. Catherwood	
	<b>Docket Number</b>	<b>Group Art Unit</b>	<b>Filing Date</b>
	068354.1443	2124	June 1, 2001

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A.	6295574	9/01	MacDonald, James R.	710	261	
	B.	6377619	4/02	Denk et al.	708	322	
	C.	6412081	6/02	Koscal et al.	714	34	
	D.	6487654	11/02	Dowling, Eric M.	712	244	
	E.	6633970	10/03	Clift et al.	712	217	
	F.	6523108	2/03	James et al.	712	224	
	G.	6564238	5/03	Kim et al.	708	513	
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